

PATENT

S/N: 10/019,810

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) An aqueous dispersion of polyamide resin, comprising:
dispersed polyamide resin particles, basic material and water; and
wherein the weight average diameter of said dispersed polyamide resin particles is 0.1-10 μm [.];
the ratio of end carboxyl groups to end amino groups in said polyamide resin ~~is between 60/40 and 100/0, and ranges from 66/34 to 92/8;~~
the amount of said end carboxyl groups is 90-170 mmol per kg of said polyamide resin;
the amount of said basic material added is 0.2-3.0 mol per mol of said end carboxyl groups[.]; and
said polyamide resin has as a structural unit at least one selected from the group consisting of $-\text{NH}(\text{CH}_2)_5\text{CO}-$, $-\text{NH}(\text{CH}_2)_6\text{NHCO}(\text{CH}_2)_4\text{CO}-$, $-\text{NH}(\text{CH}_2)_6\text{NHCO}(\text{CH}_2)_8\text{CO}-$, $-\text{NH}(\text{CH}_2)_{10}\text{CO}-$ and $-\text{NH}(\text{CH}_2)_{11}\text{CO}-$.
2. (Original) The aqueous dispersion of polyamide resin according to Claim 1, wherein said basic material is an alkali metal hydroxide or amino compound.
3. (Original) The aqueous dispersion of polyamide resin according to Claim 2, wherein said alkali metal hydroxide is sodium hydroxide or potassium hydroxide.
4. Canceled.
5. Canceled.
6. (Original) The aqueous dispersion of polyamide resin according to Claim 1, wherein the proportion of said water is 30-1500 parts by weight based on 100 parts by weight of polyamide resin.

PATENT

S/N: 10/019,810

7. (Currently Amended) A method of manufacturing an aqueous dispersion of polyamide resin, ~~wherein comprising the steps of: adding polyamide resin is added~~ to an aqueous dispersion medium containing 0.2-3.0 mol of basic material per mol of end carboxyl groups in said polyamide resin[[.]] , and causing said polyamide resin to disperse in said dispersion medium as polyamide resin particles;

wherein the weight average diameter of said dispersed polyamide resin particles is 0.1-10 μm ;

the ratio of end carboxyl groups to end amino groups in said polyamide resin ranges from 66/34 to 92/8;

the amount of said end carboxyl groups is 90-170 mmol per kg of said polyamide resin;
and

said polyamide resin has as a structural unit at least one selected from the group consisting of $-\text{NH}(\text{CH}_2)_5\text{CO}-$, $-\text{NH}(\text{CH}_2)_6\text{NHCO}(\text{CH}_2)_4\text{CO}-$, $-\text{NH}(\text{CH}_2)_6\text{NHCO}(\text{CH}_2)_8\text{CO}-$, $-\text{NH}(\text{CH}_2)_{10}\text{CO}-$ and $-\text{NH}(\text{CH}_2)_{11}\text{CO}-$.

8. Canceled.

9. Canceled.

10. Canceled.

11. (Original) The method of manufacturing an aqueous dispersion of polyamide resin according to Claims 7, wherein said basic material is an alkali metal hydroxide or amino compound.

12. (Original) The method of manufacturing an aqueous dispersion of polyamide resin according to Claim 11, wherein said alkali metal hydroxide is sodium hydroxide or potassium hydroxide.

PATENT

S/N: 10/019,810

13. (Original) The method of manufacturing an aqueous dispersion of polyamide resin according to Claims 7, wherein said aqueous dispersion medium contains 30-1500 parts by weight of water based on 100 parts by weight of said polyamide resin.
14. (Original) The method of manufacturing an aqueous dispersion of polyamide resin according to Claim 7, wherein said polyamide resin is dispersed in said aqueous dispersion medium in a state where the polyamide resin is heated to a temperature at or above the softening temperature of the resin.
15. (Original) The method of manufacturing an aqueous dispersion of polyamide resin according to Claim 14, wherein said polyamide resin is heated at a temperature of 70°C-300°C.
16. (Original) The method of manufacturing an aqueous dispersion of polyamide resin according to Claim 15, wherein said polyamide resin is dispersed in said aqueous dispersion medium with shear force applied to the aqueous dispersion medium to which the polyamide resin has been added.
17. (Original) The method of manufacturing an aqueous dispersion of polyamide resin according to Claim 16, wherein shear force is applied to said aqueous dispersion medium by rotation of a mixing blade.
18. (Original) The method of manufacturing an aqueous dispersion of polyamide resin according to Claims 17, wherein the rotational speed of said mixing blade is 100-500 rpm.